

# HYS-38CIP sequence listing SEQUENCE LISTING

<110> Dederer, Douglas  
Yamazaki, Victoria  
Asundi, Vinod  
Liu, Chenghua  
Tang, Y. Tom  
Drmanac, Radoje T.

<120> Methods of Therapy and Diagnosis Using Insulin-like Growth Factor Binding Protein-like Polypeptides and Polynucleotides

<130> HYS-38CIP

<140> Not Yet Assigned

<141> 2002-02-27

<150> 09/784,748

<151> 2001-02-14

<150> 09/649,167

<151> 2000-08-23

<150> 09/540,217

<151> 2000-03-31

<160> 14

<170> PatentIn version 3.1

<210> 1

<211> 375

# HYS-38CIP sequence listing

<212> DNA

<213> Homo sapiens

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gcgacggccc ttgcgagttc gtcctgtgg tcgtcgttcc tccccgaagt gttcacaacg 120  
tcaccggggc gcaggtgggc ctgtcctgtg aagtgagggc tgtgcctacc ccagtcatca 180  
cgtggagaaa ggtcacgaag tcccctgagg gcacccaagc actggaggag ctgcctgggg 240  
accatgtcaa tatagctgtc caagtgcgag ggggcccttc tgaccatgag gccacggcct 300  
ggattttgat caacccctg cgaaaggagg atgagggtgt gtaccagtgc catgcagcca 360  
acatggtggg agagg 375

<210> 2

<211> 473

<212> DNA

<213> Homo sapiens

<400> 2  
aatcctctgt cgacgatttc gtggctgagt cccacagcac agtgacggtt ctagatctga 60  
gtaaatacag gagctttcac ttccagctc ccgatgaccg catgtgatgg agaaatgtac 120  
atgttctaag tcattttcag tattttacac ccatgttacg agatatttga ggtggcttat 180  
aagacctgta gaaaaaagaa gaaaaatacg taaatggagg aaaccaggga aagagcaaaa 240  
gaagagtagg gacatactta gatgagcagt agaatccctg gtatattctg cacacatctc 300  
cctctgagct tcttagcatg caaagacaag agctgtgaac atgaagggtgt gtccatgaga 360  
tgaaaagacc agttgtgttt tggggctgga gggaatattt cctctgtatt cttttagaaa 420  
gagcactgag agaggtagca gacagtgtca ttgtgacagc gtccatgtga aaa 473

<210> 3

<211> 375

<212> DNA

<213> Homo sapiens

<400> 3  
cgctgcgccct gcgcgctcgg cacacgcccc gcgcgcaccc cggtcacctg cacaaggcgc 60

# HYS-38CIP sequence listing

gcgacggccc ttgcgagttc gctcctgtgg tcgtcgttcc tccccgaagt gttcacaacg	120
tcaccggggc gcaggtgggc ctgtcctgtg aagtgagggc tgtgcctacc ccagtcatca	180
cgtggagaaa ggtcacgaag tcccctgagg gcacccaagc actggaggag ctgcctgggg	240
accatgtcaa tatagctgtc caagtgcgag gggggcccttc tgaccatgag gccacggcct	300
ggattttgat caacccctg cgaaaggagg atgaggggtgt gtaccagtgc catgcagcca	360
acatggtggg agagg	375

<210> 4  
 <211> 1250  
 <212> DNA  
 <213> Homo sapiens

<400> 4	
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tgctgccgct gctgccgccg ctgtccccga gccttgggat ccgcgacgtg ggcggtcggc	180
gccccaaagt tggtccgtgc cggccagagg gctgcccggc gcctgcgccc tgcccggcgc	240
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cgagctgcgg gggccgcgcc ggcgggcgct gtggccccgg cctgggtatgc gcgagccagg	360
ccgctggggc agcgcgccgag ggcaccgggc tctgcgtgtg cgcgacgcgc ggcaccgtct	420
gcggctccga cggctcgctc taccacagcg tctgcgcgct gcgcctgcgc gctcggcaca	480
cgccccgcgc gcaccccggt cacctgcaca aggcgcgcga cggcccttgc gatttcgttc	540
ctatcactcg tttttataac tgctttcctc agccgttaat tcacaggcaa ttctctttgt	600
ctccagacag gagacagagt gagaccctgt ctaaaaagaa gaagaagaag gaggaggagg	660
aggaggaggga ggaggagggg gaggaggaga aggaagaaga aggatgcaaa agcaatttcc	720
aacacacccat taactttaaa gaaatctcag agggatttgg gaagattttt tcattccagc	780
catcaatgat cgatataatt gacgaggcct ctacactgca cgttgcccaa cacgctgtgg	840
tgctggatgc caggggtggct gaggttgctgt ccaatgcagc tcctgtggtc gtcgttcctc	900
cccgaagtgt tcacaacgtc accggggcgc aggtgggcct gtcctgtgaa gtgagggctg	960
tgcttaccac agtcatcacg tggagaaagg tcacgaagtc ccctgagggc acccaagcac	1020
tggaggagct gcctggggac catgtcaata tagctgtcca agtgcgaggg ggcccttctg	1080
accatgaggc cacggcctgg attttggtgt cagacctgca tcattgtctg aaggctctcc	1140
ccacctactc ctactccagc accctttctc cttcacaggt gtttctccta atacatctct	1200



[illegible]

# HYS-38CIP sequence listing

Pro Ala Pro Cys Pro Ala Pro Gly Ile Ser Ala Leu Asp Glu Cys Gly  
50 55 60

Cys Cys Ala Arg Cys Leu Gly Ala Glu Gly Ala Ser Cys Gly Gly Arg  
65 70 75 80

Ala Gly Gly Arg Cys Gly Pro Gly Leu Val Cys Ala Ser Gln Ala Ala  
85 90 95

Gly Ala Ala Pro Glu Gly Thr Gly Leu Cys Val Cys Ala Gln Arg Gly  
100 105 110

Thr Val Cys Gly Ser Asp Gly Arg Ser Tyr Pro Ser Val Cys Ala Leu  
115 120 125

Arg Leu Arg Ala Arg His Thr Pro Arg Ala His Pro Gly His Leu His  
130 135 140

Lys Ala Arg Asp Gly Pro Cys Glu Phe Ala Pro Val Val Val Val Pro  
145 150 155 160

Pro Arg Ser Val His Asn Val Thr Gly Ala Gln Val Gly Leu Ser Cys  
165 170 175

Glu Val Arg Ala Val Pro Thr Pro Val Ile Thr Trp Arg Lys Val Thr  
180 185 190

Lys Ser Pro Glu Gly Thr Gln Ala Leu Glu Glu Leu Pro Gly Asp His  
195 200 205

Val Asn Ile Ala Val Gln Val Arg Gly Gly Pro Ser Asp His Glu Ala  
210 215 220

Thr Ala Trp Ile Leu Ile Asn Pro Leu Arg Lys Glu Asp Glu Gly Val  
225 230 235 240

Tyr Gln Cys His Ala Ala Asn Met Val Gly Glu Ala Glu Ser His Ser  
245 250 255

Thr Val Thr Val Leu Asp Leu Ser Lys Tyr Arg Ser Phe His Phe Pro  
260 265 270

Ala Pro Asp Asp Arg Met  
275

<210> 7

# HYS-38CIP sequence listing

<211> 837

<212> DNA

<213> Homo sapiens

<400> 7

atgccgcgct tgtctctgct cttgccgctg ctgcttctgc tgctgctgcc gctgctgccg	60
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tgccggccag agggctgccc ggcgcctgcg ccctgcccgg cgcccgggat ctcggcgctc	180
gacgagtgcg gctgctgctc ccgctgcctg ggagccgagg gcgcgagctg cggggggccgc	240
gccggcgggc gctgtggccc cggcctggta tgcgcgagcc aggccgctgg ggcagcggcc	300
gagggcaccg ggctctgctg gtgcgcgcag cgcggcaccg tctgcggctc cgacggtcgc	360
tcgtacccca gcgtctgctc gctgcgcctg cgcgctcggc acacgccccg cgcgaccccc	420
ggtcacctgc acaaggcgcg cgacggccct tgcgagttcg ctctgtggt cgtcgttcct	480
ccccgaagtg ttcacaacgt caccggggcg cagggtgggc tgctcctgtga agtgagggct	540
gtgcctaccc cagtcatac gtggagaaag gtcacgaagt cccctgaggg cacccaagca	600
ctggaggagc tgcctgggga ccatgtcaat atagctgtcc aagtgcgagg gggcccttct	660
gaccatgagg ccacggcctg gatcttgatc aacccctgc gaaaggagga tgaggggtgtg	720
taccagtgcc atgcagccaa catggtggga gaggtgagt cccacagcac agtgacggtt	780
ctagatctga gtaaatacag gagcttcac ttcccagctc ccgatgaccg catgtga	837

<210> 8

<211> 16

<212> PRT

<213> Homo sapiens

<400> 8

Asp Glu Cys Gly Cys Cys Ala Arg Cys Leu Gly Ala Glu Gly Ala Ser
1 5 10 15

<210> 9

<211> 27

<212> PRT

<213> Homo sapiens

# HYS-38CIP sequence listing

<400> 9

Met Pro Arg Leu Ser Leu Leu Leu Pro Leu Leu Leu Leu Leu Leu Leu  
1 5 10 15

Pro Leu Leu Pro Pro Leu Ser Pro Ser Leu Gly  
20 25

<210> 10

<211> 251

<212> PRT

<213> Homo sapiens

<400> 10

Ile Arg Asp Val Gly Gly Arg Arg Pro Lys Cys Gly Pro Cys Arg Pro  
1 5 10 15

Glu Gly Cys Pro Ala Pro Ala Pro Cys Pro Ala Pro Gly Ile Ser Ala  
20 25 30

Leu Asp Glu Cys Gly Cys Cys Ala Arg Cys Leu Gly Ala Glu Gly Ala  
35 40 45

Ser Cys Gly Gly Arg Ala Gly Gly Arg Cys Gly Pro Gly Leu Val Cys  
50 55 60

Ala Ser Gln Ala Ala Gly Ala Ala Pro Glu Gly Thr Gly Leu Cys Val  
65 70 75 80

Cys Ala Gln Arg Gly Thr Val Cys Gly Ser Asp Gly Arg Ser Tyr Pro  
85 90 95

Ser Val Cys Ala Leu Arg Leu Arg Ala Arg His Thr Pro Arg Ala His  
100 105 110

Pro Gly His Leu His Lys Ala Arg Asp Gly Pro Cys Glu Phe Ala Pro  
115 120 125

Val Val Val Val Pro Pro Arg Ser Val His Asn Val Thr Gly Ala Gln  
130 135 140

Val Gly Leu Ser Cys Glu Val Arg Ala Val Pro Thr Pro Val Ile Thr  
145 150 155 160





# HYS-38CIP sequence listing

<210> 12

<211> 390

<212> PRT

<213> Homo sapiens

<400> 12

Met Pro Arg Leu Ser Leu Leu Leu Pro Leu Leu Leu Leu Leu Leu  
1 5 10 15

Pro Leu Leu Pro Pro Leu Ser Pro Ser Leu Gly Ile Arg Asp Val Gly  
20 25 30

Gly Arg Arg Pro Lys Cys Gly Pro Cys Arg Pro Glu Gly Cys Pro Ala  
35 40 45

Pro Ala Pro Cys Pro Ala Pro Gly Ile Ser Ala Leu Asp Glu Cys Gly  
50 55 60

Cys Cys Ala Arg Cys Leu Gly Ala Glu Gly Ala Ser Cys Gly Gly Arg  
65 70 75 80

Ala Gly Gly Arg Cys Gly Pro Gly Leu Val Cys Ala Ser Gln Ala Ala  
85 90 95

Gly Ala Ala Pro Glu Gly Thr Gly Leu Cys Val Cys Ala Gln Arg Gly  
100 105 110

Thr Val Cys Gly Ser Asp Gly Arg Ser Tyr Pro Ser Val Cys Ala Leu  
115 120 125

Arg Leu Arg Ala Arg His Thr Pro Arg Ala His Pro Gly His Leu His  
130 135 140

Lys Ala Arg Asp Gly Pro Cys Glu Phe Val Pro Ile Thr Arg Phe Tyr  
145 150 155 160

Asn Cys Phe Pro Gln Pro Leu Ile His Arg Gln Phe Ser Leu Ser Pro  
165 170 175

Asp Arg Arg Gln Ser Glu Thr Leu Ser Lys Lys Lys Lys Lys Lys Glu  
180 185 190

Glu Glu Glu Glu Glu Glu Glu Glu Gly Glu Glu Glu Lys Glu Glu Glu  
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195 HYS-38CIP sequence listing 200 205

[illegible]

HYS-38CIP sequence listing

Met Pro Arg Leu Pro Leu Leu Leu Leu Leu Leu Pro Ser Leu Ala Arg  
1 5 10 15

Gly Leu Gly Leu Arg Asp Ala Gly Arg Arg His Pro Glu Cys Ser Pro  
20 25 30

Cys Gln Gln Asp Arg Cys Pro Ala Pro Ser Pro Cys Pro Ala Pro Trp  
35 40 45

Ile Ser Ala Arg Asp Glu Cys Gly Cys Cys Ala Arg Cys Leu Gly Ala  
50 55 60

Glu Gly Ala Ser Cys Gly Gly Pro Val Gly Ser Arg Cys Gly Pro Gly  
65 70 75 80

Leu Val Cys Ala Ser Arg Ala Ser Gly Thr Ala Pro Glu Gly Thr Gly  
85 90 95

Leu Cys Val Cys Ala Gln Arg Gly Ala Val Cys Gly Ser Asp Gly Arg  
100 105 110

Ser Tyr Ser Ser Ile Cys Ala Leu Arg Leu Arg Ala Arg His Ala Pro  
115 120 125

Arg Ala His His Gly His Leu His Lys Ala Arg Asp Gly Pro Cys Glu  
130 135 140

Phe Ala Pro Val Val Leu Met Pro Pro Arg Asp Ile His Asn Val Thr  
145 150 155 160

Gly Thr Gln Val Phe Leu Ser Cys Glu Val Lys Ala Val Pro Thr Pro  
165 170 175

Val Ile Thr Trp Lys Lys Val Lys His Ser Pro Glu Gly Thr Glu Gly  
180 185 190

Leu Glu Glu Leu Pro Gly Asp His Val Asn Ile Ala Val Gln Val Arg  
195 200 205

Gly Gly Pro Ser Asp His Glu Thr Thr Ser Trp Ile Leu Ile Asn Pro  
210 215 220

Leu Arg Lys Glu Asp Glu Gly Val Tyr His Cys His Ala Ala Asn Ala  
225 230 235 240

Ile Gly Glu Ala Gln Ser His Gly Thr Val Thr Val Leu Asp Leu Asn  
245 250 255

# HYS-38CIP sequence listing

Arg Tyr Lys Ser Leu Tyr Ser Ser val Pro Gly Asp  
260 265

<210> 14

<211> 264

<212> PRT

<213> Homo sapiens

<400> 14

Pro Ser Leu Arg Ala Leu Leu Leu Gly Ala Ala Gly Leu Leu Leu Leu  
1 5 10 15

Leu Leu Pro Leu Ser Ser Ser Ser Ser Ser Asp Thr Cys Gly Pro Cys  
20 25 30

Glu Pro Ala Ser Cys Pro Pro Leu Pro Pro Leu Gly Cys Leu Leu Gly  
35 40 45

Glu Thr Arg Asp Ala Cys Gly Cys Cys Pro Met Cys Ala Arg Gly Glu  
50 55 60

Gly Glu Pro Cys Gly Gly Gly Gly Ala Gly Arg Gly Tyr Cys Ala Pro  
65 70 75 80

Gly Met Glu Cys val Lys Ser Arg Lys Arg Arg Lys Gly Lys Ala Gly  
85 90 95

Ala Ala Ala Gly Gly Pro Gly val Ser Gly val Cys val Cys Lys Ser  
100 105 110

Arg Tyr Pro val Cys Gly Ser Asp Gly Thr Thr Tyr Pro Ser Gly Cys  
115 120 125

Gln Leu Arg Ala Ala Ser Gln Arg Ala Glu Ser Arg Gly Glu Lys Ala  
130 135 140

Ile Thr Gln Val Ser Lys Gly Thr Cys Glu Gln Gly Pro Ser Ile val  
145 150 155 160

Thr Pro Pro Lys Asp Ile Trp Asn val Thr Gly Ala Gln val Tyr Leu  
165 170 175

Ser Cys Glu val Ile Gly Ile Pro Thr Pro val Leu Ile Trp Asn Lys  
180 185 190

*(The following musical notation is transcribed from the image, showing various notes, rests, and bar lines.)*

Val Lys Arg Gly His Tyr Gly Val Gln Arg Thr Glu Leu Leu Pro Gly  
195 200 205

Asp Arg Asp Asn Leu Ala Ile Gln Thr Arg Gly Gly Pro Glu Lys His  
210 215 220

Glu Val Thr Gly Trp Val Leu Val Ser Pro Leu Ser Lys Glu Asp Ala  
225 230 235 240

Gly Glu Tyr Glu Cys His Ala Ser Asn Phe Gln Gly Gln Ala Ser Ala  
245 250 255

Ser Ala Lys Ile Thr val val Asp  
260